

1 **ABSTRACT**

2 The disclosed subject matter improves iterative results of content-based
3 image retrieval (CBIR) using a bigram model to correlate relevance feedback.
4 Specifically, multiple images are received responsive to multiple image search
5 sessions. Relevance feedback is used to determine whether the received images
6 are semantically relevant. A respective semantic correlation between each of at
7 least one pair of the images is then estimated using respective bigram frequencies.
8 The bigram frequencies are based on multiple search sessions in which each image
9 of a pair of images is semantically relevant.

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